

Title (en)

CONTROL CIRCUIT AND RELATED LIGHTING SYSTEM

Title (de)

STEUERUNGSSCHALTUNG UND ZUGEHÖRIGES BELEUCHTUNGSSYSTEM

Title (fr)

CIRCUIT DE COMMANDE ET SYSTÈME D'ÉCLAIRAGE ASSOCIÉ

Publication

EP 3731602 A1 20201028 (EN)

Application

EP 20170379 A 20200420

Priority

CN 201910322973 A 20190422

Abstract (en)

A control circuit comprising:- a power supply module (10) adapted to generate an output power to control an operation mode (brightness, color, on/off control) of a lighting device (80) according to a control signal and a supply power provided by an electric power system (not shown) over a live wire (L) and a neutral wire (N);- a switching module (20), coupled to the supply power, adapted to selectively generate a first voltage signal of the supply power; and- a signal controlling module (70), coupled between the switching module (20) and the power supply module (10), adapted to generate said control signal according to said first voltage signal.

IPC 8 full level

H05B 47/10 (2020.01); **H05B 39/08** (2006.01); **H05B 45/20** (2020.01); **H05B 45/385** (2020.01); **H05B 47/185** (2020.01)

CPC (source: EP US)

H05B 45/325 (2020.01 - US); **H05B 45/382** (2020.01 - US); **H05B 47/10** (2020.01 - EP); **H05B 47/185** (2020.01 - EP); **H05B 39/085** (2013.01 - EP); **H05B 45/20** (2020.01 - EP); **H05B 45/385** (2020.01 - EP)

Citation (search report)

- [XYI] EP 2391188 A1 20111130 - MASS TECHNOLOGY HK LTD [CN]
- [X] US 10070494 B1 20180904 - CHEN CHUNG-YI [TW]
- [X] EP 2765830 A1 20140813 - HEP TECH CO LTD [TW], et al
- [Y] EP 2775802 A1 20140910 - OSRAM SYLVANIA INC [US]
- [Y] US 2008068832 A1 20080320 - SPARTANO DAVID [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3731602 A1 20201028; CN 111836433 A 20201027; US 11464094 B2 20221004; US 2020337134 A1 20201022

DOCDB simple family (application)

EP 20170379 A 20200420; CN 201910322973 A 20190422; US 202016822494 A 20200318